ITS Technical Bulletin 229
DFSMS/MVS JCL PARAMETERS

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Section/Groups: Production Support
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Operating system technological advances support automation of the DASD storage subsystem. ITS has implemented System Managed Storage (SMS) and established associated storage pools. This Technical Bulletin is intended for ITS customers who wish to take advantage of mainframe storage automation and other available MVS features. It also serves as notification that, with the exception of special system data set allocation, hard coding volsers is no longer an acceptable ITS mainframe standard for data allocation. Customers who hard code volsers assume full responsibility for loss of or damage to data so allocated.

The following JCL keywords allow access to defined SMS storage pools. Other JCL keywords listed allow optimization of the DASD storage subsystem.

      KEYWORD   ACTION

      BLKSIZE=0   Change JCL Block size parameter to 0.

Block size can be within the DCB parameter or by itself. This will allow the system to allocate optimum block size.

NOTE: Not recommended for applications using their own internal allocation, such as IE.

      REGION=0M Change JCL region size parameter to 0M.

This allows the system to allocate all available storage, both above and below the 16 MB line.

      VOLUMES(* *)   Change VSAM define to Volumes (* *)

Each (*) represents a volume. SMS places the VSAM data set on the proper volume and the customer is no longer required to hard code volsers in VSAM define statements.

NOTE: This can only be done when using the SMS STORCLAS parameter.

      STORCLAS=(BULKCLS)   JCL coding for non-VSAM.

      STORCLAS(BULKCLS)   Coding for VSAM define allocations.

This parameter replaces the JCL unit, volser parameter and the VSAM volser parameter for long term, low cost storage that does not require guaranteed response time. There is only a certain amount of space available for this pool, so the pool may not always be available for data allocation.

       STORCLAS=(STANDARD)   JCL coding for Non-VSAM.

       STORCLAS(STANDARD)   Coding for VSAM Define allocations.

This parameter replaces the JCL unit, volser parameter and the VSAM volser parameter for long term data allocations.

       STORCLAS=(WRKSPACE)   JCL coding for non-VSAM.

       STORCLAS(WRKSPACE)   Coding for VSAM Define allocations.

This parameter replaces the JCL unit,volser parameter and the VSAM volser for short term data allocations requiring more space than is available on our normal short term storage pool. It has the same usage policy as Storage Pool, except data will migrate after two days (storage pool migrates after 7). This is a short term pool and the customer is responsible for deleting data no longer needed or for moving the data to a permanent storage pool.

       SMS Data Allocation Examples

       ISPF
              =3.2   Choose Option M, under STORCLAS option, type in STANDARD.

       JCL

```
//MYDATA   DD    DSN=MY.DATASET, DISP=(NEW,CATLG,DEL),
                 DCB=(RECFM=TYPE,LRECL=LENGTH),
                 STORCLAS=(STANDARD)
```

       IDCAM

```
        DEFINE    CLUSTER    -
              (NAME(MY.DATASET.CL)        -
              DATACLAS(KEYED)       -
              RECSZ(nnn nnnnn)   -
              CYL(15 10)   -
              STORCLAS(STANDARD)  -
              VOLUMES(* * *)     -
              SHAREOPTIONS(2,3)        -
              FSPC(0 0)     -
              UNIQUE      -
              SPANNED     -
              SPEED   )
```

```
            DATA            -
            (NAME(MY.DATASET.DATA)      -
            CISZ(nnnn) )  -

            INDEX         -
            (NAME(MY.DATASET.INDEX)  )
```

If you have questions concerning this technical bulletin and/or the use of SMS, please contact the ITS Customer Services Center at 801-538-3440. ITS Customer Services will enter a problem/question report and contact the Production Support Group.